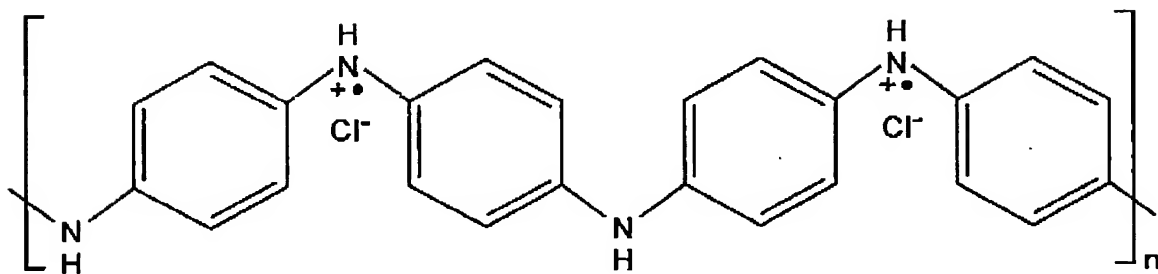
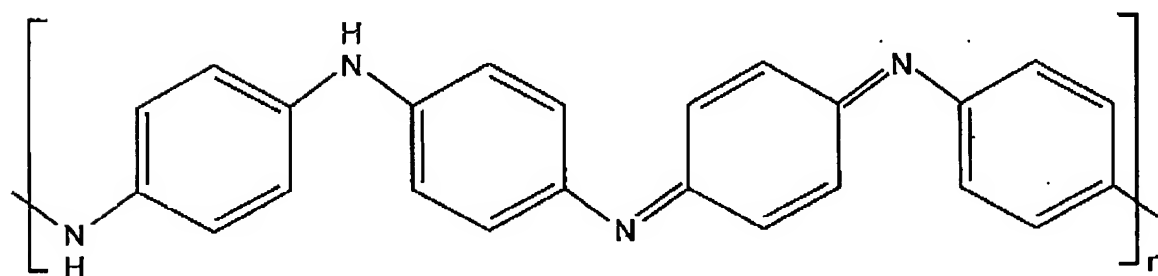


CONDUCTING POLYMER NANOFIBERS
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Sheet 1 of 6 Replacement Sheet



DOPED POLYANILINE EMERALDINE SALT ($\sigma = 10 \text{ S/cm}$)

FIG. 1A



DEDOPED POLYANILINE EMERALDINE BASE ($\sigma = 1 \times 10^{-10} \text{ S/cm}$)

FIG. 1B

Advantageous
Embodiments
are shown in
FIG. 1A and 1B.